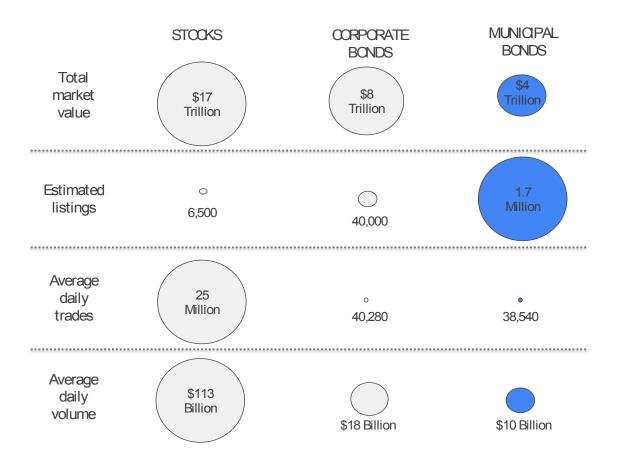
EAX TRADING

MUNI BOND TRADING + DATA

Clarke Roberts, Managing Partner and Founder, EAX Trading



COMPARISON OF THE US MARKETS



"Although the municipal securities market is often characterized as a "buy-and-hold" market, significant secondary market trading occurs."*

*SEC Report of the Municipal Market

PROBLEMS IN SECONDARY MUNI TRADING



- Muni trades incur exorbitant transaction & search costs in the secondary market
 - Price differential exceeds 2% (200 bps) for over half of customer-to-customer chains¹
 - Length of 2 or more days for over half of customer-to-customer chains¹
- Regulators: "...investors have access to relatively little pricing information"²
- Dealer inventories to provide liquidity declined 65% since 2007³ due to new regulations
- \$2.5 trillion² in annual secondary trading via phone or antiquated bulletin-board systems

1. MSRB Report on Secondary Market Trading in the Municipal Securities Market, July 2014

- 2. SEC Report on the Municipal Market, July 2012
- 3. Federal Reserve



MUNIS ARE LIKE THE HOUSING MARKET

Muni Characteristics

- 1.7 million individual bonds (CUSIPs)
- High retail ownership (>75%¹)
- Personal tax exemption
- Low turnover, most bonds trade twice per year¹

Price Discovery in the Housing Market

- Buyers express interest by house type: # of bedrooms, # of bathrooms, for about \$X
- Sellers list their house for a price
- Agent matches serious buyers + sellers prior to firm bidding



INEFFECTIVE PRICING DATA

Muni Reference Pricing ...similar to housing market

- Last trade
- 3rd party price evaluation
- Comparables of likebonds

- The price you bought your house
- Zillow estimated price
- Your neighbor's selling price

No quote on CURRENT demand for your bond & amount for sale



EAX REDEFINES TRADING & DATA

- For the first time, buyers may express interest across types of bonds (patent pending*)
- Buyers use our cloud technology to indicate desired bond features, size & price range
- Sellers view indicative market for their bonds & contact buyers at attractive prices
- Search basigd intelestreatellarsematracipgcand statiantecosystem
 Buyers want type of bond within price

range

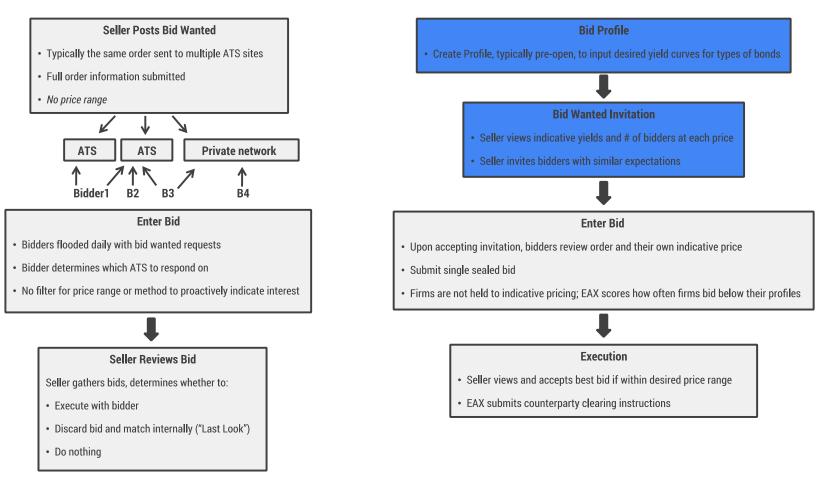
*United States Patent Application Serial No. 14/643,870 (claiming priority to Serial No. 62/950,594, filed March 10, 2014) Filed: March 10, 2015



EAX Process

EAX: THE TARGETED APPROACH

Current Process



CREATE BID PROFILE

- Enter target yields vs. indexes across bond features, maturity & call ranges
- Limit bid-wanted invitations to sellers with similar expectations
- · Flexible methods to receive bid invitations: app, email, IM, text



Start Profile Profile settings and trade criteria

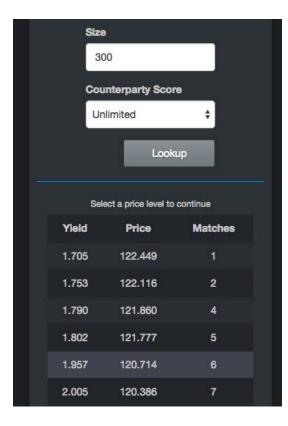
Name

Profile Name

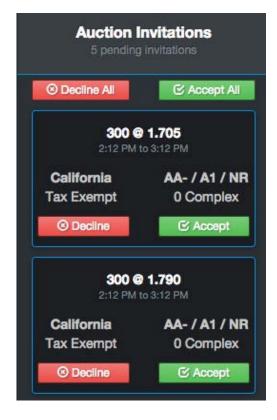
TARGETED BID INVITATIONS FOR SINGLE-SEALED BIDS



Sellers Search & Select Invitation Price



Invitations Display Profile Price



REDEFINE THE SECONDARY MUNI BOND MARKET

CREATE A SEARCHABLE NETWORK OF TRADING INTEREST